

## **Exam Review**

Introduction to Python for Security





The objective of the lesson is to practice answering questions on topics learned in the course to prepare for the final exam.

Content and Sample Questions





**Exam Review** 

Content and Sample Questions



Introduction to Programming

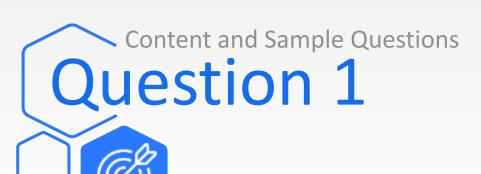
**Python Installation** 

Python IDE

Python Env. and PyCharm

**Basic Syntax** 

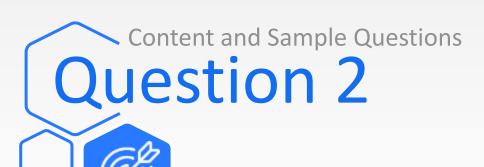




The code is read from left to right and top to bottom while checking and executing each line in the process. Which of the following actions was performed?

- A. Interpretation
- B. Compilation
- C. Encapsulation
- D. Debugging





What will happen when the following code is executed?

if True:

print("Hello")

- A. It will print the word *Hello*.
- B. It will not run because if was not invoked.
- C. It will not run because it cannot understand *True*.
- D. It will display an indentation error.





Variables and User Input

Arithmetic and Casting

**Conditions** 

**Advanced Data Structures** 



# Content and Sample Questions Question 3



```
What will the value of X be?

X = 10

if True and False:

X += 10

print(X)
```

- A. 20
- B. 10
- C. The code is erroneous.
- D. X cannot be a variable.





For and While

**Loops and Conditions** 





Which of the following should be used to iterate over a list and print its items separately?

- A. While loop
- B. For loop
- C. If condition
- D. Dictionary



#### Content and Sample Questions

### Question 5



```
What will be the output of the following code?

counter = 0

for i in range(0, 10, 4):

break

counter += 1

print(counter)
```

- A. 10
- B. 2
- **C**. 3
- D. 0





**Error Handling** 

File Permissions

Module Definition and Usage

**System Modules** 

Log Parsing





What will happen when you run the following code?

with open("MyFile.txt", "w") as file:
 file.write("Hello World")

- A. "Hello World" will be appended to the file.
- B. An error will occur because "w" allows reading the file.
- C. The file will be overwritten with "Hello World".
- D. An error will occur because an exception was not added.





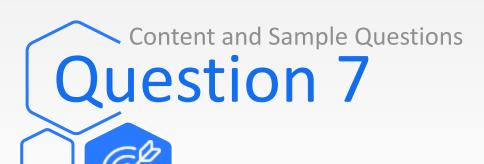
Introduction to Functions

Code Handling

Recursion

Object-Oriented Programming





What is the purpose of the following expression:

- A. To check the name of the file
- B. To ensure the first function in the file is executed
- C. To check if the file is the main file in the project
- D. To check if the file is imported or directly executed



#### **Content and Sample Questions**

### Question 8



What should be added to the following function to print the value 20?

- A. The command global x
- B. The command main x
- C. The command self x
- D. The command pass x







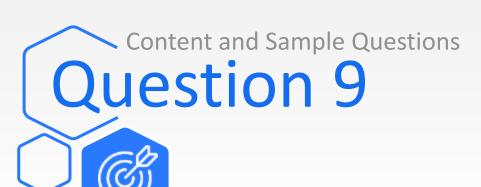
Creating a Server Socket

**Sending Data** 

**Echo Communication** 

Exercise: Home Project

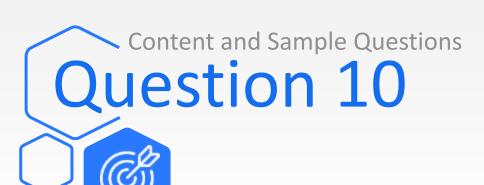




When sending text via the socket library to a server, why should the text be encoded?

- A. The data must be encoded to ASCII.
- B. The data must be encoded with SHA.
- C. It must be passed as a byte object.
- D. Because it is code





When creating client-server communication scripts, which one should be executed first?

- A. Both must be executed at the same time.
- B. The client
- C. It does not matter.
- D. The server





Thank You

Questions?